



Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)  
Approved for use through 9/30/00. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing    OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	MBX 030
	First Named Inventor	Oliver P. Peoples
	<b>COMPLETE IF KNOWN</b>	
	Application Number	09 / 364,847
	Filing Date	July 30, 1999
	Group Art Unit	
Examiner Name		

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ENZYMES FOR BIOPOLYMER PRODUCTION**

the specification of which (Title of the Invention)

☐ is attached hereto  
OR

☒ was filed on (MM/DD/YYYY) **July 30, 1999** as United States Application Number or PCT International

Application Number **09/364,847** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/094,674	July 30, 1998	

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

MBX 030  
20061/43



Please type a plus sign (+) inside this box →

PTO/SB/01 (12-97)  
Approved for use through 9/30/00. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**DECLARATION — Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☒ Registered practitioner(s) name/registration number listed belowPlace Customer  
Number Bar Code  
Label here

Name	Registration Number	Name	Registration Number
Patrea L. Pabst	31,284		
Robert A. Hodges	41,074		
Kevin W. King	42,737		

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.Direct all correspondence to: ☐ Customer Number or Bar Code LabelOR ☒ Correspondence address below

Name	Patrea L. Pabst				
Address	Arnall Golden & Gregory, LLP				
Address	2800 One Atlantic Center, 1201 West Peachtree Street				
City	Atlanta	State	GA	ZIP	30309-3450
Country	United States	Telephone	(404)873-8794	Fax	(404)873-8795

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		Family Name or Surname			
Oliver P.		Peoples			
Inventor's Signature				Date	8/5/99
Residence: City	Arlington	State	MA	Country	US
Post Office Address	27 Radcliffe Road				
Post Office Address					
City	Arlington	State	MA	ZIP	02174
Country	US				

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto



Please type a plus sign (+) inside this box → ☐

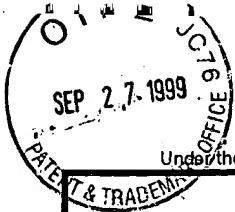
PTO/SB/02A (3-97)  
Approved for use through 9/30/98. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
valid OMB control number.

## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Lara L.				Madison			
Inventor's Signature	<i>Lara L. Madison</i>					Date	8/5/99
Residence: City	Brookline <i>LM</i> <i>BRIDGEWATER</i>	State	MA	Country	US	Citizenship	US
Post Office Address	38A St. Paul Street, Apt. <i>2LM</i>						
Post Office Address	496 Plymouth St.						
City	Brookline <i>LM</i> <i>BRIDGEWATER</i>	State	MA	ZIP	02142 <i>LM</i> <i>02324</i>	Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Gjalt W.				Huisman			
Inventor's Signature	<i>[Signature]</i>					Date	8/18/99
Residence: City	San Carlos	State	CA	Country	US	Citizenship	NL
Post Office Address	3370 Brittan Avenue, #18						
Post Office Address							
City	San Carlos	State	CA	ZIP	94070	Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Jan 1649

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 09/30/2000. OMB 0651-0031  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Oliver P. Peoples, Lara L. Madison, and Gjalt W. Huisman

Application No./Patent No.: 09/364,847 Filed/Issue Date: July 30, 1999

Entitled: ENZYMES FOR BIOPOLYMER PRODUCTION

Metabolix, Inc., a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

**RECEIVED**

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

OCT 12 1999  
TECH CENTER 1600/2900  
OCT - 7 1999  
RECEIVED  
OCT / JCWS

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:]** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

August 18, 1999  
Date

Oliver P. Peoples  
Signature

Oliver P. Peoples  
Typed or printed name

Vice President, Research and Development  
Title

## ASSIGNMENT

*496 Plymouth St., Bridgewater, Massachusetts, 02324*  
We, Oliver P. Peoples of 27 Radcliffe Road, Arlington, Massachusetts 02174,  
Lara L. Madison of ~~38A St. Paul Street, Apt. 2, Brookline, Massachusetts 02142,~~  
and Gjalt W. Huisman of 3370 Brittan Avenue, #18, San Carlos, California 94070, in  
consideration of ten dollars and other valuable consideration paid to us by Metabolix, Inc.,  
a corporation of the Commonwealth of Massachusetts, having its principal place of  
business at 303 Third Street, 2nd Floor, Cambridge, Massachusetts 02142-1196, the receipt  
of which is hereby acknowledged, do hereby sell, assign and transfer unto said  
Metabolix, Inc., its successors and assigns, the entire interest for the United States of  
America, and its territories and all foreign countries and jurisdictions, including all rights  
of priority under the International Convention for the Protection of Industrial Property, in  
a certain invention or improvement in "*Enzymes for Biopolymer Production*" described in  
U.S. Serial No. 09/364,847 filed in the United States Patent and Trademark Office  
on July 30, 1999, by Oliver P. Peoples, Lara L. Madison, and Gjalt W. Huisman, which  
claims priority to U.S. Provisional Application Serial No. 60/094,674 filed in the United  
States Patent and Trademark Office on July 30, 1998, and in all Letters Patent of the  
United States and its territories and all foreign countries and jurisdictions which may or  
shall be granted on said invention, or any parts thereof, or on said application, or any  
provisional, divisional, continuation, continuation-in-part, reissue, or other applications  
based in whole or in part thereon. And we agree, for ourselves and our executors and  
administrators, with said corporation and its successors and assigns, but at its or their  
expense or charges, hereafter to execute all applications, amended specifications, deeds or  
other instruments, and to do all acts necessary or proper to secure the grant of Letters  
Patent in the United States and its territories and in all other foreign countries and  
jurisdictions to said corporation, with specifications and claims in such form as shall be  
approved by the counsel of said corporation, and to vest and confirm in said corporation,  
its successors and assigns, the legal title to all such patents.

Title: "Enzymes for Biopolymer Production"  
By: Oliver P. Peoples, Lara L. Madison, and Gjalb W. Huisman  
Filed: July 30, 1999  
ASSIGNMENT

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 5<sup>th</sup> day of August, 1999.

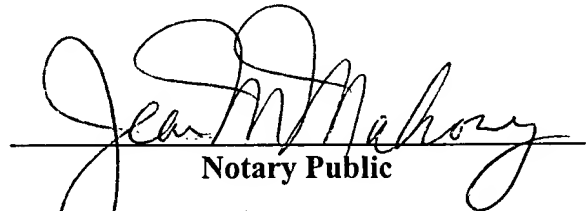


Oliver P. Peoples

Commonwealth of Massachusetts )

County of Middlesex )

Then personally appeared the above named Oliver P. Peoples and acknowledged the foregoing instrument to be his free act and deed, before me this 5 day of August, 1999.

  
Notary Public

My Commission expires: JEAN M. MAHONEY  
blic  
My Commission Expires July 8, 2005

Title: "Enzymes for Biopolymer Production"  
By: Oliver P. Peoples, Lara L. Madison, and Gjalb W. Huisman  
Filed: July 30, 1999  
ASSIGNMENT

WITNESS my hand and seal this 5<sup>th</sup> day of August, 1999.

Lara L. Madison  
Lara L. Madison

Commonwealth of Massachusetts )  
County of Middlesex )

Then personally appeared the above named Lara L. Madison and acknowledged the foregoing instrument to be her free act and deed, before me this 5 day of August, 1999.

Jean M. Mahoney  
Notary Public

My Commission expires: \_\_\_\_\_

JEAN M. MAHONEY

My Commission Expires July 8, 2005

Title: *"Enzymes for Biopolymer Production"*  
By: Oliver P. Peoples, Lara L. Madison, and Gjalt W. Huisman  
Filed: July 30, 1999  
ASSIGNMENT

WITNESS my hand and seal this 18<sup>th</sup> day of August, 1999.

  
\_\_\_\_\_  
Gjalt W. Huisman

State of California )

County of \_\_\_\_\_)

Then personally appeared the above named Gjalt W. Huisman and acknowledged the foregoing instrument to be his free act and deed, before me this \_\_\_\_\_ day of \_\_\_\_\_, 1999.

\_\_\_\_\_  
Notary Public

My Commission expires: \_\_\_\_\_



# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

San Mateo

} ss.

On 8/18/99

Date

, before me,

Diane D. Gliozzi, Notary Public

Name and Title of Officer (e.g., Jane Doe, Notary Public)

personally appeared

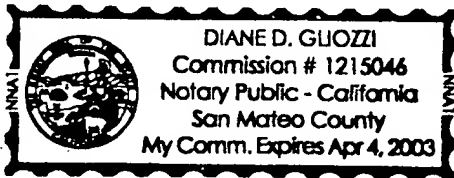
Gjalt Huisman

Name(s) of Signer(s)

☐ personally known to me

☒ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal Above

WITNESS my hand and official seal.

Diane D. Gliozzi  
Signature of Notary Public

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer

Signer's Name: \_\_\_\_\_

☐ Individual

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here